U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Attorney Docket Number 023 -020 -USU **DECLARATION FOR UTILITY OR** 

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First Named Inventor

DE	First Named Inventor	Yo	Youngtack Shim								
PATENT APPLICATION			COMPLETE IF KNOWN								
(37 CI	Application Number	7									
Declaration Submitted OR With Initial	Declara	aration nitted after Initial I (surcharge	Filing Date								
			Art Unit		······································						
Filing	(37 CF) require	R 1.16 (e)) d)	Examiner Name								
I hereby declare that:											
Each inventor's residence, mailing address, and citizenship are as stated below next to their name.											
I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for											
which a patent is sought on the invention entitled:											
Fluid Control Systems and Methods											
(Title of the Investigat)											
(Title of the Invention) the specification of which											
is attached hereto											
OR											
was filed on (MM/DD/Y	· [		1								
Was filed of (MAVDD)	· · · · · · · · · · · · · · · · · · ·	····	as United States	Application N	lumber or PCT I	ntemational					
Application Number	pplication Number and was amended on (MM/DD/YYYY) (if applicable)										
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as											
amended by any amendment	specifically refe	erred to above.									
I acknowledge the duty to di	isclose informa	tion which is mater	rial to patentability a	s defined in	37 CFR 1.56,	including for					
continuation-in-part application and the national or PCT international control or part application and the national or part application and the nation and the national or part application and the	ns, matenai inte national filing da	ormation which bed ite of the continuation	ame available between-in-part application.	en the filing	date of the prio	r application					
hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent.											
inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign											
application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date											
before that of the application of Prior Foreign Application	n which priority	is claimed.  Foreign Filing	Data Da	iority	Cartifical Con-	. 445-6-40					
Number(s)	Country	(MM/DD/YY		Claimed	Certified Copy Yes	y Attached? No					
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Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.											
ILLI Assessment in the Strategical information in minimum strategical and a supplemental phonty data sneet PTO/SB/02B attached hereto.											

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This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## **DECLARATION** — Utility or Design Patent Application

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.									
NAME OF SOLE OR FIRST IN	IVENTOR:	1	ПАр	etition has	s been filed for th	ie unsion	ned inventor		
Given Name (first and middle [if any])	Given Name			- Cutton	Family Name or Sumame				
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Given Name (first and middle [if any])					Family Name or Sumame				
Inventor's Signature			· · · · ·		L		Date		
Residence: City	State	State		Country		Citizenship			
Mailing Address			•			<u></u>			
City	State			ZIF	5	Countr	у		
Additional inventors or a legal representative are being named on thesupplemental sheet(s) PTO/SB/02A or 02LR attached hereto.									